

Attendance: Gary Toller, Junqiang Sun, James Kuyper, Bill Barnes, Aisheng Wu, Hongda Chen, Roy Yi, Scott Blanchard, Jack Xiong, Brian Wenny

Scheduled Agenda**Item 1: Recent L1B LUT delivery**

- Terra forward update – 5.0.6.33 (8/10/07) – m1, RVS

Item 2: Instrument status

- Terra and Aqua MODIS are in nominal operations.
- Terra Direct Broadcast data disrupted from 2007/215 14:17 (Aug 3) to 2007/228 18:46 (Aug 16) due to a failure of the X-band Solid State Power Amplifier. Exact cause of failure is unknown. Operations resumed on their own while FOT was still examining the problem and possible solutions.

Item 3: MCST recent activities

- Terra Band 27 Detector 3 Anomaly
 - o A gain change was reported for this detector previously (MsWG – 7/18/07) after spacecraft passage through the SAA. Recently, the NEdT for this detector increased and exceeded specifications continuously for ~2 days (Aug 15-17) with no observed gain change. The NEdT has since returned to its previous stable value. Cause of this increase is unknown, but MCST will continue monitoring this detector for anomalous behavior.
- A list of possible Collection 6 issue was compiled based on previous MsWG discussions, with clarifications as to the personnel involved or interested, LUT or L1B code change and status for each item.
 - o Fill values vs Interpolation for dead detectors
 - Personnel: J. Kuyper, L. Tan
 - Type: L1B code
 - Status: Test data set available for science disciplines to check – a second data set with additionally detector flagged as dead proposed, awaiting input from science disciplines.
 - o A0/A2 update approach
 - Personnel: A. Wu, B. Wenny, K. Chiang, C. Moeller
 - Type: LUT
 - Status: MCST recommendations for approach to be presented at future MsWG
 - o Detector dependent RVS
 - Personnel: J. Sun, G. Meister
 - Type: LUT
 - Status: L1B code already set up to handle detector dependent RVS
 - o BB Thermistor failure
 - Personnel: B. Wenny, H. Chen
 - Type: L1B code
 - Status: Analysis underway
 - o Operational QA reporting for L1: e.g. SV DN = 0
 - Personnel: J. Kuyper, L. Tan, B. Wenny
 - Type: L1B code
 - Status: L1B group awaiting input from MCST

- Operational QA reporting for L1: Subframe Noise
 - Personnel: J. Sun, J. Kuyper
 - Type: L1B code
 - Status:
- Crosstalk Correction (Band 2)
 - Personnel: J. Kuyper, J. Sun
 - Type: L1B code
 - Status: Prototype code developed, awaiting decision on implementation and testing

Item 4: Around the Table

Next Meeting: ~Sept 5, 2007